

Form PTO-1449 (Rev. 8-88) U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No.: 1201.66005	Serial No.: 10/051,317
	Applicant: Pelikan et al.	
	Filing Date: January 18, 2002	Group: 2183-2105

RECEIVED
JUL 03 2002
Technology Center 2100

U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation	
					Yes	No

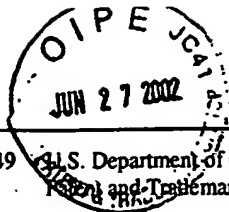
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Ans	Samir W. Mahfoud, <u>Niching Methods for Genetic Algorithms</u> , Thesis, University of Illinois at Urbana-Champaign, 1995.
ans	David Heckerman, Dan Geiger, David M. Chickering, <u>Learning Bayesian Networks: The Combination of Knowledge and Statistical Data</u> , Technical Report MSR-TR-94-09, Microsoft Corporation, Redmond, WA, March 1994 (Revised February 1995).
Ans	Georges Harik, <u>Finding Multiple Solutions In Problems of Bounded Difficulty</u> , IlliGAL Report No. 94002, May 1994.
Ans	Shumeet Baluja, <u>Population-Based Incremental Learning: A Method for Integrating Genetic Search Based Function Optimization and Competitive Learning</u> , CMU-CS-94-163, Carnegie Mellon University, June 2, 1994.
aw	David Maxwell Chickering, David Heckerman, <u>Efficient Approximations for the Marginal Likelihood of Bayesion Networks with Hidden Variables</u> , Technical Report MSR-TR-96-08, Microsoft Corporation, Redmond, WA, March 1996 (Revised April 1997).
aw	Georges R. Harik, Fernando G. Lobo, David E. Goldberg, <u>The Compact Genetic Algorithm</u> , IlliGAL Report No. 97006, University of Illinois at Urbana-Champaign, August 1997.
Ans	Jeremy S. De Bonet, Charles L. Isbell, Jr., Paul Viola, <u>MIMIC: Finding Optima by Estimating Probability Densities</u> , Advances in Neural Information Processing Systems, MIT Press, Cambridge, MA, 1997.
Ans	David E. Goldberg, <u>The Race, the Hurdle, and the Sweet Spot: Lessons from Genetic Algorithms for the Automation of Design Innovation and Creativity</u> , IlliGAL Report No. 98007, University of Illinois at Urbana-Champaign, April 1998.
Ans	Martin Pelikan, David E. Goldberg, and Erick Cantú-Paz, <u>Linkage Problem, Distribution Estimation, and Bayesian Networks</u> , IlliGAL Report No. 98013, University of Illinois at Urbana-Champaign, November 1998.
Ans	Martin Pelikan, David E. Goldberg, and Erick Cantú-Paz, <u>BOA: The Bayesian Optimization Algorithm</u> , IlliGAL Report No. 99003, University of Illinois at Urbana-Champaign, January 1999.
Ans	Georges Harik, <u>Linkage Learning via Probabilistic Modeling in the ECGA</u> , IlliGAL Technical Report 99010, Illinois Genetic Algorithms Laboratory, Urbana, IL, January 1999.

Examiner ALBERT W. PALADIN	Date Considered 8-9-05
-----------------------------------	------------------------

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

BEST AVAILABLE COPY



BEST AVAILABLE COPY

Form PTO-1449 (Rev. 8-88)		U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No.: 1201.66005		Serial No.: 10/051,317	
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				Applicant: Pelikan et al.		RECEIVED Group: 2185 2125 JUL 03 2002 Technology Center 2100	
				Filing Date: January 18, 2002			
U.S. PATENT DOCUMENTS							
Examiner Initial*	Document Number	Date	Name	Class	Subclass	If Appropriate	
FOREIGN PATENT DOCUMENTS							
	Document Number	Date	Country	Class	Subclass	Translation Yes No	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
DP 1	Martin Pelikan, David E. Goldberg, and Fernando Lobo, <u>A Survey of Optimization by Building and Using Probabilistic Models</u> , <i>IlliGAL Report No. 99018</i> , University of Illinois at Urbana-Champaign, September 1999.						
am	Martin Pelikan and David E. Goldberg, <u>Hierarchical Problem Solving by the Bayesian Optimization Algorithm</u> , <i>IlliGAL Report No. 2000002</i> , University of Illinois at Urbana-Champaign, January 2000.						
am	Martin Pelikan and David E. Goldberg, <u>Genetic Algorithms, Clustering, and the Breaking of Symmetry</u> , <i>IlliGAL Report No. 2000013</i> , University of Illinois at Urbana-Champaign, March 2000.						
am	Martin Pelikan, David E. Goldberg, and Kumara Sastry, <u>Bayesian Optimization Algorithm, Decision Graphs, and Occam's Razor</u> , <i>IlliGAL Report No. 2000020</i> , University of Illinois at Urbana-Champaign, May 2000.						
am	Martin Pelikan and David E. Goldberg, <u>Escaping Hierarchical Traps with Competent Genetic Algorithms</u> , <i>IlliGAL Report No. 2001003</i> , University of Illinois at Urbana-Champaign, January 2001.						
am	Richard A. Watson, <u>Analysis of Recombinative Algorithms on a Non-separable Building-block Problem</u> , Dynamical & Evolutionary Machine Organization, Volen Center for Complex Systems, Brandeis University, Waltham, MA, 2000						
am	Richard A. Watson, Gregory S. Hornby, and Jordan B. Pollack, <u>Modeling Building-Block Interdependency</u> , Dynamical & Evolutionary Machine Organization, Volen Center for Complex Systems, Brandeis University, Waltham, MA, 1998						
am	Peter A.N. Bosman and Dirk Thierens, <u>Continuous Iterated Density Estimation Evolutionary Algorithms Within the IDEA Framework</u> , Department of Computer Science, Utrecht University, The Netherlands, 2000						
am	Heinz Mühlenbein and Thilo Mahnig, <u>FDA - A Scalable Evolutionary Algorithm for the Optimization of Additively Decomposed Functions</u> , Theoretical Foundation GMB Lab, Real World Computing Partnership, GMB FZ Informationstechnik, Augustin, 1999						
am	Heinz Mühlenbein, Thilo Mahnig and Alberto Ocho Rodriguez, <u>Schemata, Distributions and Graphical Models in Evolutionary Optimization</u> , <i>Journal of Heuristics</i> , 5 pp. 215-247, 1999.						
am	H. Mühlenbein and G. Paaß, <u>From Recombination of Genes to the Estimation of Distributions I. Binary Parameters</u> , GMD - Forschungszentrum Informationstechnik, Germany (believed published circa 1998).						
am	Samir W. Mahfoud, <u>A Comparison of Parallel and Sequential Niching Methods</u> , <i>Proceedings of the Sixth International Conference on Genetic Algorithms</i> , 136-143, 1995.						
Examiner	Albert W. Paladini PATENT EXAMINER			Date Considered 8-9-05			
*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

[illegible]

BEST AVAILABLE COPY